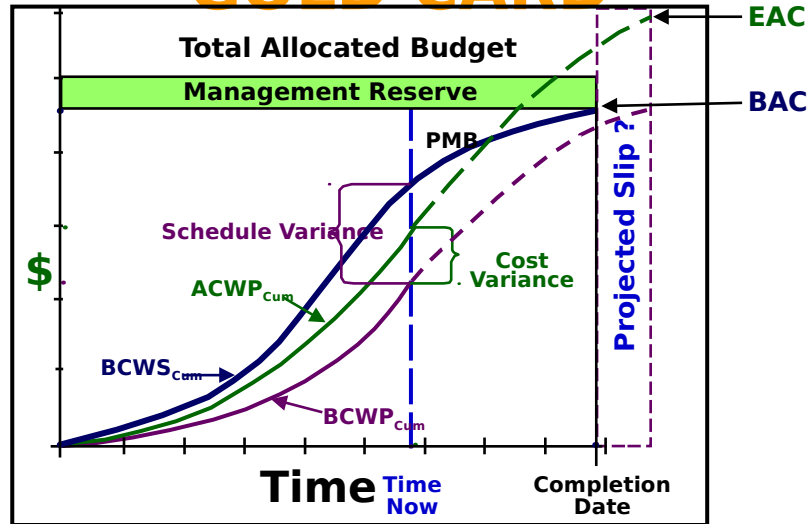


EARNED VALUE MANAGEMENT 'GOLD CARD'



VARIANCES Positive is Favorable, Negative
is Unfavorable

OVERALL STATUS

% Schedule =

Cost Variance **CV** = **BCWP**
- **ACWP** **CV %** = **(CV /**

BCWP) * 100

Schedule Variance **SV** = **BCWP**
- **BCWS** **SV %** = **(SV /**

BEWS)ENCE*100S

Cost Efficiency **Completion** **BCWP** **VAC** **ACWP**
 1.0 **Unfavorable** is < 1.0 **VAC %** =

Schedule Efficiency SPI = BCWP / BCWS

Favorable is ≥ 1.0 Unfavorable is ≤ 1.0

BASELINE EXECUTION INDEX (BEI) & Hit Task %

BEI = Total Tasks Completed / (Total Tasks with Baseline Finish On or Prior to Current Report Period)

Hit Task % = 100 * (Tasks Completed ON or PRIOR to Baseline Finish / Tasks Baselined to Finish

ESTIMATE @ COMPLETION = ACTUALS TO DATE + [(REMAINING WORK) / (PERFORMANCE FACTOR)]
within Current Report Period

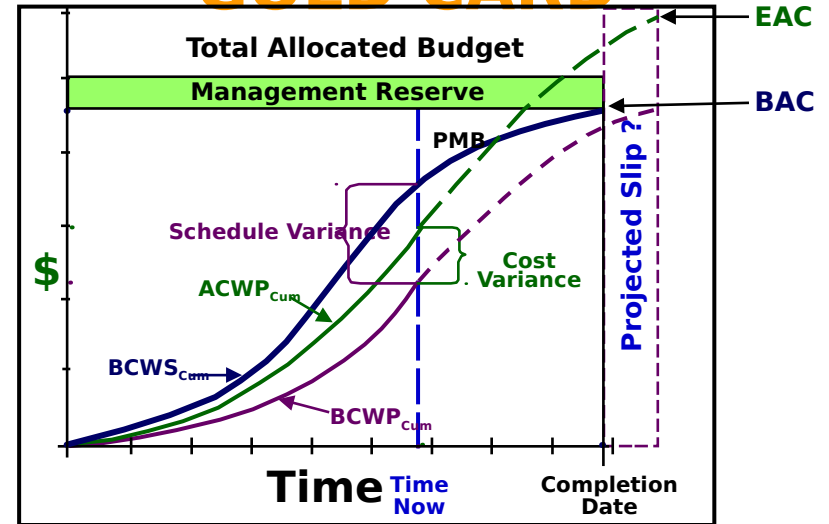
$$EAC_{CPI} = ACWP_{CUM} + [(BAC - BCWP_{CUM}) / CPI_{CUM}]$$
$$\text{EAC}_{\text{Composite}} = \text{ACWP}_{\text{CUM}} + [(\text{BAC} - \text{BCWP}_{\text{CUM}}) / (\text{CPI}_{\text{CUM}} * \text{SPI}_{\text{CUM}})]$$

TO COMPLETE PERFORMANCE INDEX (TCPI) §

$$\text{TCPI}_{\text{Target}} = \text{Work Remaining} / \text{Cost Remaining} = (\text{BAC} - \text{BCWP}_{\text{CUM}}) / (\text{Target} - \text{ACWP}_{\text{CUM}})$$

§ To Determine the TCPI $_{\text{for BAC, LRE, or EAC}}$ Substitute **TARGET** with BAC, LRE, or

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BEWS)*100

Cost Efficiency Comparison $\text{BCWP} / \text{ACWP}$
 10. Unfavorable is < 1.0 $\text{VAC} \% =$

$$\text{Schedule Efficiency SPI} = \text{BCWP} / \text{BCWS}$$

Favorable is ≥ 1.0 Unfavorable is ≤ 1.0

BASELINE EXECUTION INDEX (BEI) & Hit Task %

BEI = Total Tasks Completed / (Total Tasks with Baseline Finish On or Prior to Current Report Period)

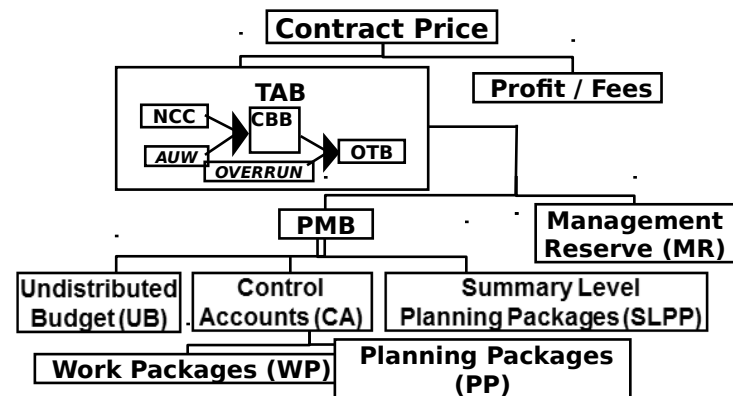
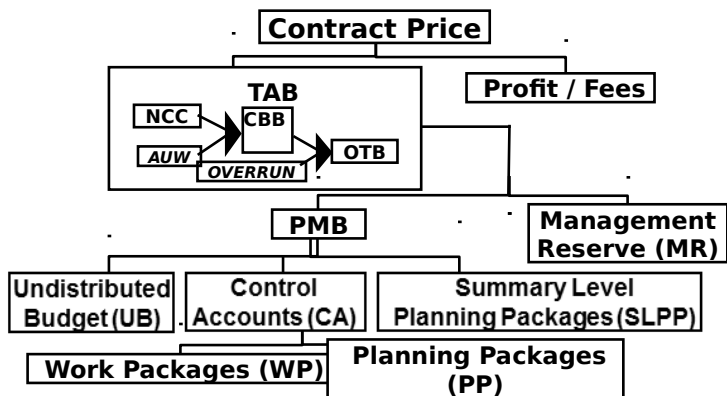
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$$\text{ESTIMATE @ COMPLETION} = \text{ACTUALS TO DATE} + \left[\frac{(\text{REMAINING WORK})}{(\text{PERFORMANCE FACTOR})} \right]$$
$$EAC_{CPI} = ACWP_{CUM} + [(BAC - BCWP_{CUM}) / CPI_{CUM}]$$
$$\text{EAC}_{\text{Composite}} = \text{ACWP}_{\text{CUM}} + [(\text{BAC} - \text{BCWP}_{\text{CUM}}) / (\text{CPI}_{\text{CUM}} * \text{SPI}_{\text{CUM}})]$$

TO COMPLETE PERFORMANCE INDEX (TCPI) § #

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8 To Determine the TCPI Substitute **TARGET** with **BAC**, **IBF**, or



ACRONYMS

ACWP Actual Cost of Work Performed
incurring in accomplishing work performed
AUW Authorized Unpriced Work Work contractually approved, but not yet negotiated /
definitized
BAC Budget At Completion Total budget for total contract thru any given level
BCWP Budgeted Cost for Work Performed
completed work in terms of the work's assigned budget
VALUE
BCWS Budgeted Cost for Work Scheduled
Budget Plan for work currently scheduled
VALUE
CA Control Account Lowest CWBS element assigned to a single focal point to plan
& control
scope / schedule / budget
CBB Contract Budget Base Sum of NCC & AUW
EAC Estimate At Completion Estimate of total **Cost** for total contract thru any given level
generated by
Ktr, PMO, DCMA, etc. = **EAC**_{Ktr / PMO / DCMA}
LRE Latest Revised Estimate Ktr's EAC or EAC_{Ktr}
MR Management Reserve Budget withheld by Ktr PM for unknowns / risk management
NCC Negotiated Contract Cost Contract **Price** Minus profit or fee(s)
OTB Over Target Baseline Sum of CBB + additional budget approved for remaining work
PAC Price At Completion EAC Plus Adjusted Profit or Fee(s)
PMB Performance Measurement Baseline Contract time-
phased budget plan
PP Planning Package Far-term CA activities not yet defined into WPs
SLPP Summary Level Planning Package Far-term
contract activities not yet defined into CAs
TAB Total Allocated Budget Sum of all budgets for work on contract = NCC, CBB, or OTB
TCPI To Complete Performance Index Efficiency
needed from 'time now' to achieve a Cost Target = **BAC, LRE, or EAC**
UB Undistributed Budget Broadly defined activities not yet distributed to CAs or SLPPs
WP Work Package Near-term, detail-planned activities within a CA

EVM POLICY: Interim DoDI 5000.02, Enclosure 1. Table 8.

EVMS in accordance with ANSI/EIA-748 is required for cost or incentive contracts, subcontracts, intra-government work agreements, & other agreements valued $\geq \$20M$ (TY \$). Contracts $\geq \$50M$ (TY \$) require that the EVMS be formally validated by the cognizant contracting officer.

EVM is discouraged on **Firm-Fixed Price, Time & Material Contracts, & LOE** activities regardless of cost.

Refer to the IPMR Implementation Guide for IPMR Tailoring Guidance.

DoD's EVM CONTRACTING REQUIREMENTS <https://acc.dau.mil/evm>

DFARS CLAUSES

"NOTICE OF EVMS" FOR SOLICITATIONS

E-mail Address:

EVM.dau@dau.mil

Revised January 2014

252.234-7001

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